

**EDLINGER Appln. No. 09/890,820**

4. (Amended) A process according to claim 1, wherein a target slag is adjusted to a basicity  $\text{CaO/SiO}_2$  of between 0.9 and 1.85 by mixing marl and clay.

5. (Amended) A process according to claim 1, wherein the melt at basicities of  $> 1.4$  is sprayed into a vapor granulator.

6. (Amended) A process according to claim 1, wherein the first step is carried out at temperatures not exceeding  $1000^\circ$ , drying being effected at temperatures in a range from  $100$  to  $210^\circ$ , preheating being effected in a range from  $210^\circ$  to  $600^\circ\text{C}$  and calcining being effected in a range from  $600^\circ$  to  $1000^\circ\text{C}$ .

7. (Amended) A process according to claim 1 or 6, wherein the second process step is carried out at temperatures between  $1450^\circ$  and  $1550^\circ\text{C}$ .

8. (Amended) A process according to claim 1, wherein the first process step is realized with finely broken marl having a mean particle size ranging from 20mm to 30mm.

9. (Amended) A process according to claim 1, wherein by-pass dust from the production of clinker is included in the material processed in the first process step.

10. (Amended) A process according to claim 1, wherein any  $\text{MgO}$  portion of the material processed in the first process step is adjusted to below 19 wt.-%.

11. (Amended) A process according to claim 1, wherein granulation in the second process step is effected by spray granulation using hydrocarbons as a coolant and synthetic gas formed during granulation is burned in the first process step.

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**See the attached Appendix for the amendments made to effect the above changes.**